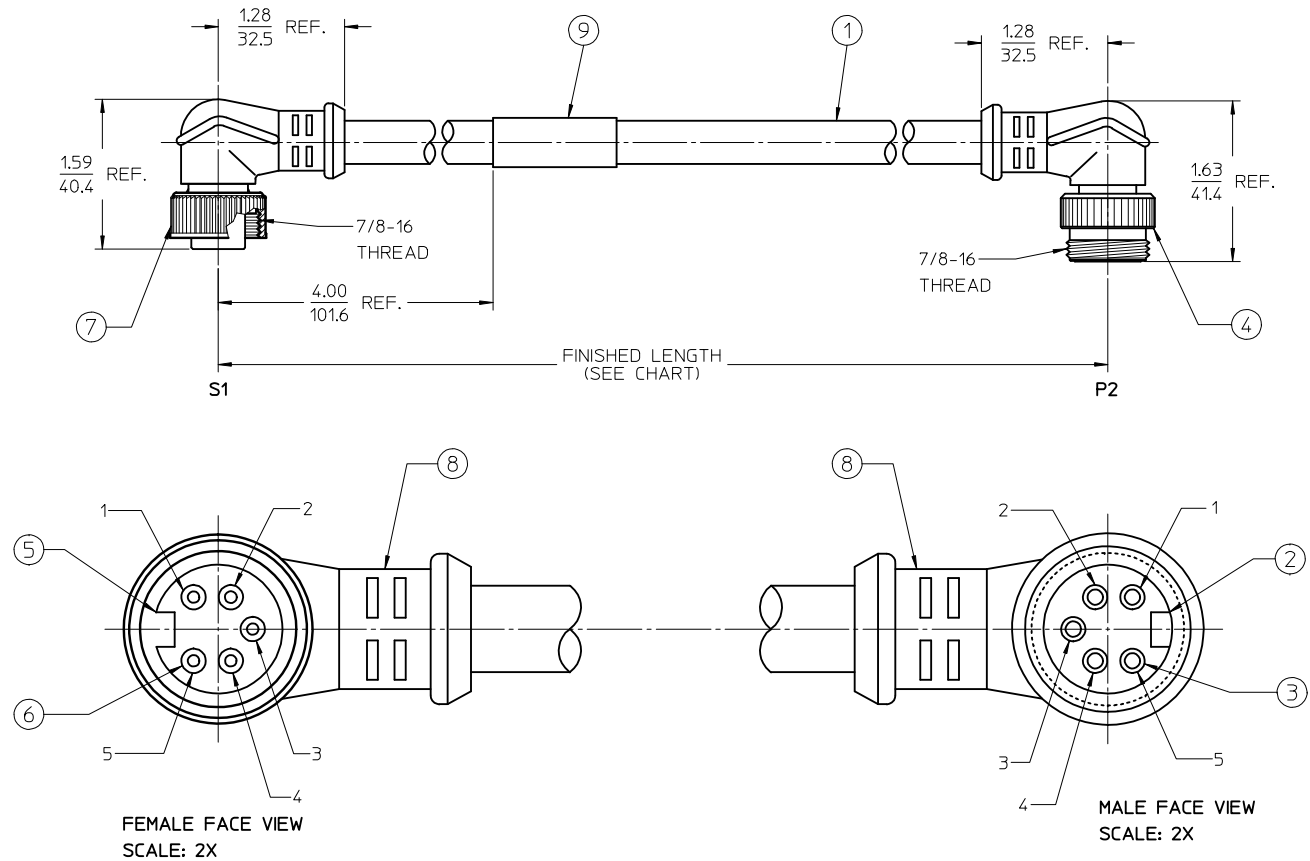


NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. ELECTRICAL SPECIFICATIONS
VOLTAGE RATING: 300V AC/DC
CURRENT RATING: 8 AMPS
4. PROTECTION: IP67
5. ASSEMBLY IS RoHS COMPLIANT
BY EXEMPTION



⑧ CABLE ASSY TYPE:
MIN-CHANGE 5P
FEMALE 90° TO
MALE 90° EXT THD.

16AWG PUR
GRAY

FINISHED LENGTH
M005: 0.5 METERS
M010: 1.0 METERS
M100: 10.0 METERS

S1	P2
1	1
2	2
3	3
4	4
5	5

WIRING DIAGRAM

9	1	WRAP LABEL	MYLAR	BLACK/YELLOW
8	2	OVERMOLD-90 DEG	PUR	BLACK
7	1	COUPLING RING-INT. THREAD	ZINC DIE-CAST	BLACK
6	5	CONTACT SOCKET	Cu ALLOY	GOLD PLATED
5	1	INSERT, 5P-FEMALE	PUR	BLACK
4	1	COUPLING RING-EXT. THREAD	ZINC DIE-CAST	BLACK
3	5	CONTACT PIN	Cu ALLOY	GOLD PLATED
2	1	INSERT, 5P-MALE	PUR	BLACK
1	A/R	CABLE 5/C, 1.5mm ² (16 AWG)	PUR JACKET	GRAY
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED PART NO. MATRIX EC NO: IPG2016-1424 DRAWING: GUSTAFSON 2016/04/20 CHKD: MZIELINSKI 2016/05/12 APPR: BRUPERT 2016/04/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
					DRAWN BY DATE RSTONE 2012/10/22		TITLE MINI-CHANGE CABLE ASSY. 5P MALE/FEMALE 90 DEG (16 AWG) PUR molex				
					CHECKED BY DATE K JOZWIK 2012/11/26						
					APPROVED BY DATE JFMURPHY 2012/12/18						
					MATERIAL NO. -----					DOCUMENT NO. SD-130010-025	SHEET NO. 1 OF 1
			ANGULAR ± 2 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

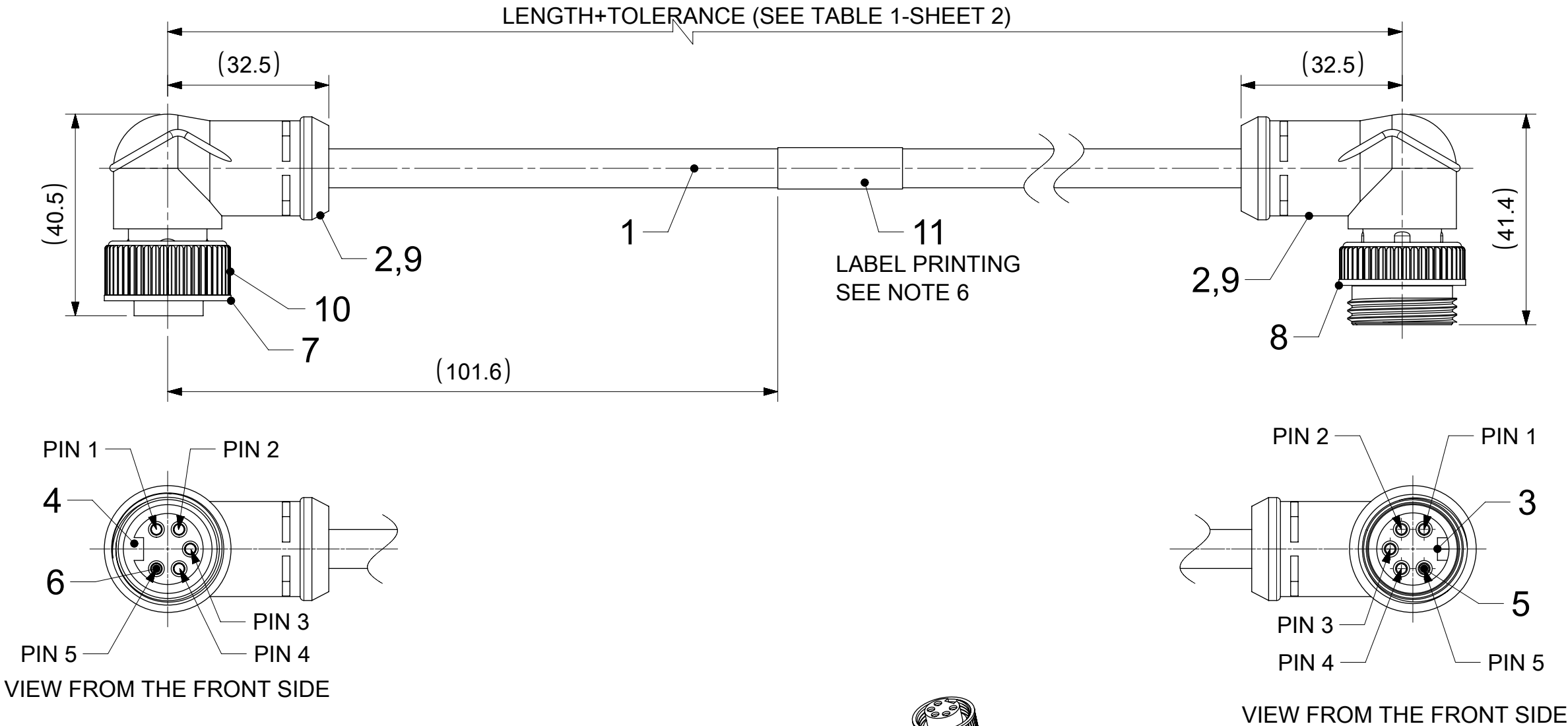
NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:

CABLE TYPE (SEE SHEET 2)

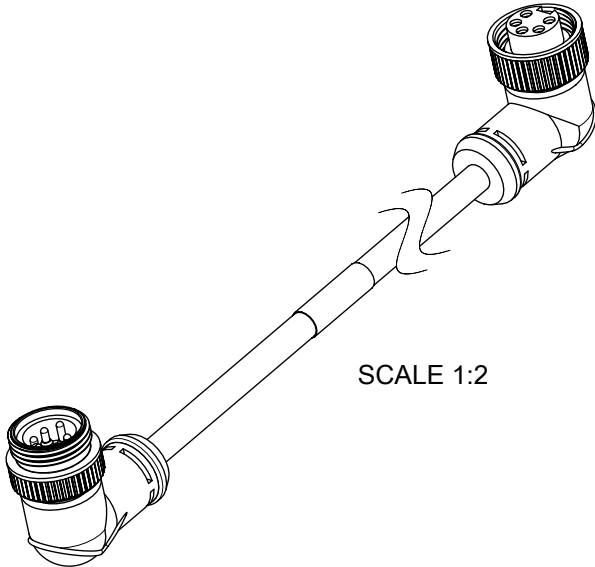
CURRENT: 10 A
4. PROTECTION: IP67 (WHEN MATED)
5. UL CERTIFICATION: UL LISTED, FILE NO. E152210
6. LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION (SEE SHEET 2)

WIRING DIAGRAM



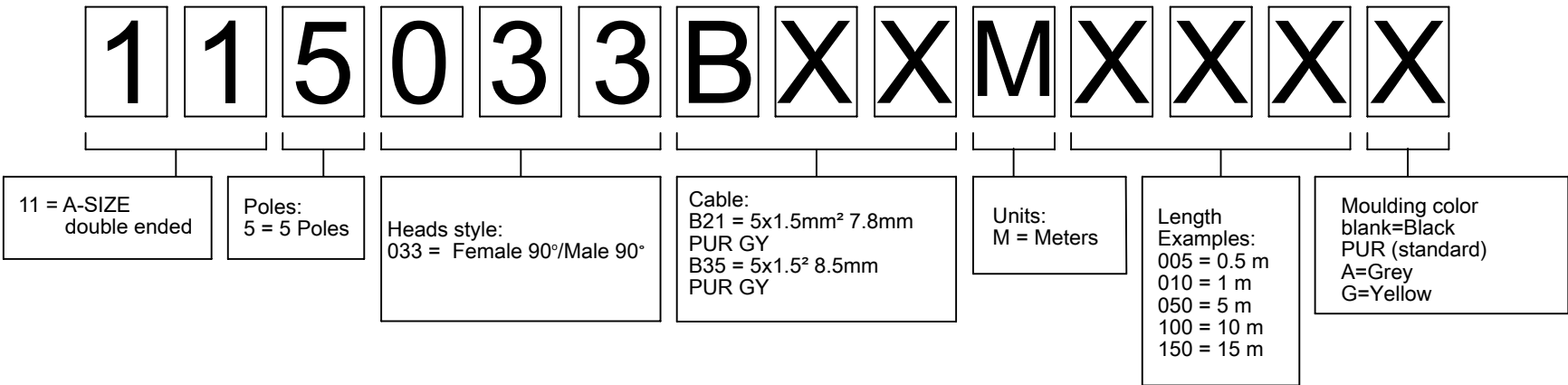
BILL OF MATERIAL

11	1	LABEL;2.0X1.75;WRAP	VINYL	YELLOW
10	1	FRICTION RING - A SIZE	NYLON	-
9	-	TAPE;0.165MMx9MM	POLYSILOXANE	WHITE
8	1	MC COUPLING NUT A-SIZE	ZINC	BLACK
7	1	COUPLING NUT MC A-SIZE EXT.THD	ZINC	BLACK
6	5	MC SOCKET SLEEVE ASSY, 16 AWG	BRASS	GOLD
5	5	MC PIN CONTACT 16AWG	BRASS	GOLD
4	1	5P FEMALE INSERT A SIZE	PUR	BLACK
3	1	5P MALE INSERT A SIZE	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 5/C, OD=8.5mm	TPU	GRAY
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2023/04/27	12:11:52



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED			molex CSE MC 5P A-SIZE FE RA MA RA TPU XM					
	mm		1:1										
	FA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27							
	FE = 0												
FF = 0													
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °				EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27				PRODUCT CUSTOMER DRAWING				
	4 PLACES ±												
	3 PLACES ±		DOCUMENT NUMBER SD-130010-031					DOC TYPE PSD	DOC PART 001	REVISION A3			
	2 PLACES ± 0.05												
	1 PLACE ± 0.3												
	0 PLACES ± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE	130010	SEE TABLE 1		GENERAL MARKET		1 OF 2	

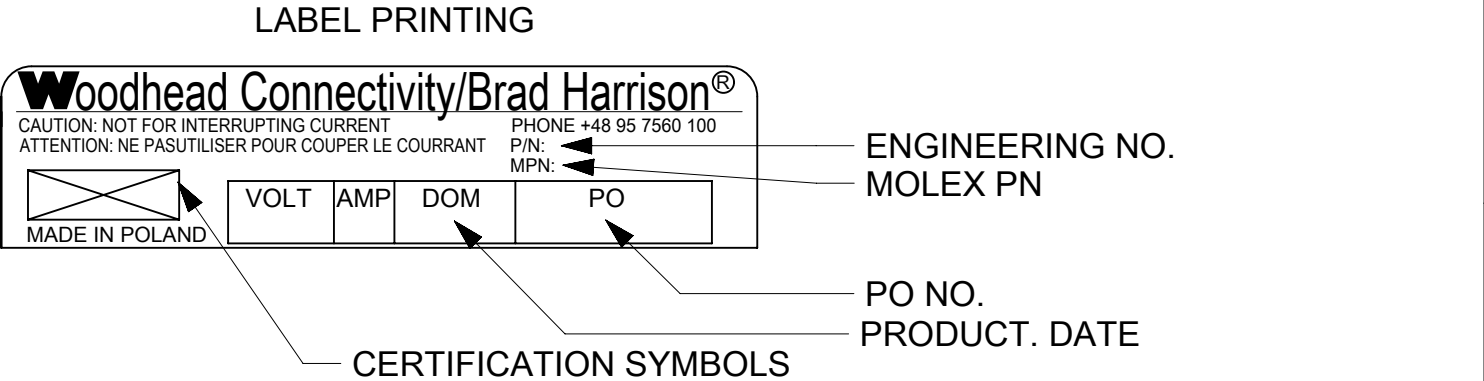
PART No. MATRIX



CABLE TYPE	No. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP / BENDING RADIUS	VOLTAGE
B21	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 80°C	-5 °C TO +80 °C	300 V
B35	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 90°C	-25 °C TO +80 °C	600 V

TABLE 1

MOLEX PN	ENGINEERING NO.	L+Tol.[mm]
1300108036	115033B21M010	1000 +56
1300108037	115033B21M020	2000 +89
1300108038	115033B21M030	3000 +89
1300108039	115033B21M050	5000 +165
1300108040	115033B21M100	10000 +317
1300108041	115033B21M150	15000 +610
1300108042	115033B21M200	20000 +610
1300108051	115033B35M010	1000 +56
1300108052	115033B35M020	2000 +89
1300108053	115033B35M030	3000 +89
1300108054	115033B35M050	5000 +165
1300108055	115033B35M100	10000 +317
1300108056	115033B35M150	15000 +610
1300108057	115033B35M200	20000 +610



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FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED		molex										
	mm		1:1														
FA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE MC 5P A-SIZE FE RA MA RA TPU XM												
FE = 0	ANGULAR TOL ± 1.0 °																
FE = 0	4 PLACES ±				EC NO: 747270												
DIVISIONAL SYMBOLS	3 PLACES ±				DRWN: RSCHIEBER 2023/04/21												
	2 PLACES ± 0.05				CHK'D: RSILLER 2023/04/27												
	1 PLACE ± 0.3				APPR: RSILLER 2023/04/27												
	0 PLACES ± 0.5				INITIAL REVISION:												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: RSTONE 2013/12/09												
				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		130010		SD-130010-031		PSD		001		A3	
										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										SEE TABLE 1		GENERAL MARKET		2 OF 2			